Available online at www.sciencedirect.com
ScienceDirect
ELSEVIER
Computers in Industry 57 (2006) 838–842
COMPUTERS IN INDUSTRY
www.elsevier.com/locate/compind

Author index to volume 57

Adamides, E., *see* Karacapilidis, N. 178
Ala-Risku, T., *see* Främling, K. 72
Anumba, C.J., *see* Ren, Z. 218
Augenbroe, G., *see* Ren, Z. 218

Baïna, K., K. Benali and C. Godart, DISCOBOLE: A service architecture for interconnecting workflow processes 768
Bangemann, T., X. Rebeuf, D. Reboul, A. Schulze, J. Szymanski, J.-P. Thomesse, M. Thron and N. Zerhouni, PROTEUS—Creating distributed maintenance systems through an integration platform 539
Bellatreche, L., N.X. Dung, G. Pierra and D. Hondjack, Contribution of ontology-based data modeling to automatic integration of electronic catalogues within engineering databases 711
Benali, K., *see* Baïna, K. 768
Bian, J., *see* Zhu, M. 752
Blackhurst, J., *see* Wu, T. 350
Bouredji, Z., *see* Simeu-Abazi, Z. 504
Broek, J.J., *see* Horváth, I. 201

Canellidis, V., V. Dedoussis, N. Mantzouratos and S. Sofianopoulou, Pre-processing methodology for optimizing stereolithography apparatus build performance 424
Chan, A.C.K., *see* Wong, K.H.M. 342
Chan, K.C.C., *see* Lau, T.W. 82
Chao, K.-M., M. Younas and N. Griffiths, BPEL4WS-based coordination of Grid Services in design 778
Chapurlat, V., B. Kamsu-Foguem and F. Prunet, A formal verification framework and associated tools for Enterprise Modeling: Application to UEML 153
Chen, L.-S., *see* Su, C.-T. 412
Cheng, C.-Y., *see* Chu, C.-H. 272
Cheng, T.C.E., *see* Lai, K.-h. 93
Cheraghi, S.H., *see* Liu, W. 631
Chiang, T.-L., *see* Su, C.-T. 412
Chidambaram, V., *see* Wu, T. 350
Choi, Y.K., *see* Kim, W. 787
Chu, C.-H., C.-Y. Cheng and C.-W. Wu, Applications of the Web-based collaborative visualization in distributed product development 272
Chu, C.-H., M.-C. Song and V.C.S. Luo, Computer aided parametric design for 3D tire mold production 11
Chung, M.J., *see* Kim, W. 787

Dai, F., *see* Schilli, B. 725
Dai, K., Y. Li, J. Han, X. Lu and S. Zhang, An interactive web system for integrated three-dimensional customization 827
Dantan, J.-Y., *see* Etienne, A. 663
Dedoussis, V., *see* Canellidis, V. 424
del Pico, J., *see* Garcia, M.C. 552
Djurdjanovic, D., *see* Lee, J. 476
Dong, J., *see* Kao, H.-P. 379
Du, H., *see* Zha, X.F. 39
Du, H., *see* Zha, X.F. 56

doi:10.1016/S0166-3615(06)00137-0

Dung, N.X., *see* Bellatreche, L. 711

Emmanouilidis, C., E. Jantunen and J. MacIntyre, Flexible software for condition monitoring, incorporating novelty detection and diagnostics 516
Etienne, A., J.-Y. Dantan, A. Siadat and P. Martin, An improved approach for automatic process plan generation of complex borings 663
Evangelou, C., *see* Karacapilidis, N. 178

Fagerström, B., *see* Nilsson, P. 167
Främling, K., T. Ala-Risku, M. Kärkkäinen and J. Holmström, Agent-based model for managing composite product information 72
Fridqvist, S., *see* van Leeuwen, J.P. 809

García-Chamizo, J.M., *see* Jimeno, A. 103
Garcia, M.C., M.A. Sanz-Bobi and J. del Pico, SIMAP: Intelligent System for Predictive Maintenance. Application to the health condition monitoring of a windturbine gearbox 552
Garetti, M., *see* Macchi, M. 581
Geiskopf, F., *see* Goepp, V. 189
Ghenniwa, H., *see* Wu, S. 732
Girard, P. and V. Robin, Analysis of collaboration for project design management 817
Godart, C., *see* Baïna, K. 768
Goepp, V., F. Kiefer and F. Geiskopf, Design of information system architectures using a key-problem framework 189
Goncalves, R. and W. Shen, Editorial 677
Griffiths, N., *see* Chao, K.-M. 778
Grilo, A., *see* Jardim-Goncalves, R. 679
Guo, D.-M., *see* Wang, D.-X. 3

Han, J., *see* Dai, K. 827
Han, S., *see* He, F. 740
Han, S., *see* Kim, Y.-S. 653
Han, T. and B.-S. Yang, Development of an e-maintenance system integrating advanced techniques 569
Han, Y.-H. and K. Lee, A case-based framework for reuse of previous design concepts in conceptual synthesis of mechanisms 305
Hao, Q., W. Shen, Z. Zhang, S.-W. Park and J.-K. Lee, Agent-based collaborative product design engineering: An industrial case study 26
Hassan, T.M., *see* Ren, Z. 218
He, F. and S. Han, A method and tool for human–human interaction and instant collaboration in CSCW-based CAD 740
Heavey, C., *see* Ryan, J. 437
Helander, M.G., *see* Jiao, J.(. 231
Holmström, J., *see* Främling, K. 72
Hondjack, D., *see* Bellatreche, L. 711
Horváth, I. and J.J. Broek, Advanced computer support of engineering and service processes of virtual enterprises 201
Hou, J. and D. Su, Integration of Web Services technology with business models within the total product design process for supplier selection 797
Hui, P.C.L., *see* Lau, T.W. 82
Hui, P.C.L., *see* Wong, K.H.M. 342
Hvam, L., S. Pape and M.K. Nielsen, Improving the quotation process with product configuration 607

Ignat, C.-L. and M.C. Norrie, Customisable collaborative editing supporting the work processes of organisations 758
Iung, B. and A.C. Marquez, Special issue on e-maintenance 473

Jantunen, E., *see* Emmanouilidis, C. 516
Jardim-Goncalves, R., A. Grilo and A. Steiger-Garcao, Challenging the interoperability between computers in industry with MDA and SOA 679
Jayaram, S., *see* Jayaram, U. 283
Jayaram, U., S. Jayaram, I. Shaikh, Y. Kim and C. Palmer, Introducing quantitative analysis methods into virtual environments for real-time and continuous ergonomic evaluations 283

Jia, Z.-Y., *see* Wang, D.-X. 3
Jiao, J.(. and M.G. Helander, Development of an electronic configure-to-order platform for customized product development 231
Jimeno, A., J.L. Sánchez, H. Mora, J. Mora and J.M. García-Chamizo, FPGA-based tool path computation. An application for shoe last machining on CNC lathes 103
Jingying, M., *see* Yongtao, H. 297

Kamsu-Foguem, B., *see* Chapurlat, V. 153
Kao, H.-P., B. Wang, J. Dong and K.-C. Ku, An event-driven approach with makespan/cost tradeoff analysis for project portfolio scheduling 379
Karacapilidis, N., E. Adamides and C. Evangelou, A computerized knowledge management system for the manufacturing strategy process 178
Kärkkäinen, M., *see* Främling, K. 72
Kaya, N., Machining fixture locating and clamping position optimization using genetic algorithms 112
Kethara Pasupathy, T.M., *see* Zhao, X. 319
Kiefer, F., *see* Goepp, V. 189
Kim, C.-H., *see* Kim, T.-Y. 204
Kim, K., *see* Kim, T.-Y. 204
Kim, T.-Y., S. Lee, K. Kim and C.-H. Kim, A modeling framework for agile and interoperable virtual enterprises 204
Kim, W., M.J. Chung, K. Qureshi and Y.K. Choi, WSCPC: An architecture using semantic web services for collaborative product commerce 787
Kim, Y., *see* Jayaram, U. 283
Kim, Y.-S., J. Yang and S. Han, A multichannel visualization module for virtual manufacturing 653
Kishinami, T., *see* Tanaka, F. 245
Ku, K.-C., *see* Kao, H.-P. 379

Lai, K.-h., C.W.Y. Wong and T.C.E. Cheng, Institutional isomorphism and the adoption of information technology for supply chain management 93
Lau, H.Y.K. and Y. Zhao, Joint scheduling of material handling equipment in automated air cargo terminals 398
Lau, T.W., P.C.L. Hui, F.S.F. Ng and K.C.C. Chan, A new fuzzy approach to improve fashion product development 82
Lee, J., J. Ni, D. Djurdjanovic, H. Qiu and H. Liao, Intelligent prognostics tools and e-maintenance 476
Lee, J.-K., *see* Hao, Q. 26
Lee, K., *see* Han, Y.-H. 305
Lee, S., *see* Kim, T.-Y. 204
Lee, S.G., *see* Thimm, G. 331
Leitão, P. and F. Restivo, ADACOR: A holonic architecture for agile and adaptive manufacturing control 121
Leng, H.-W., *see* Wang, D.-X. 3
Lewis, S.D., *see* Price, C.J. 451
Li, J.-R., *see* Wang, Q.-H. 366
Li, Y., *see* Dai, K. 827
Liao, H., *see* Lee, J. 476
Liu, W. and S.H. Cheraghi, Design and implementation of a generic nonconformance tracking and recovery (GINTR) system 631
Liu, Z., L. Wang and B. Lu, Integrating cross-sectional imaging based reverse engineering with rapid prototyping 131
Lombard, M., *see* Yesilbas, L.G. 690
Lu, B., *see* Liu, Z. 131
Lu, W.F., *see* Ni, Q. 640
Lu, X., *see* Dai, K. 827
Luo, V.C.S., *see* Chu, C.-H. 11

Ma, Y.-S., *see* Thimm, G. 331
Macchi, M. and M. Garetti, Information requirements for e-maintenance strategic planning: A benchmark study in complex production systems 581
MacIntyre, J., *see* Emmanouilidis, C. 516
Mangini, M., *see* Ren, Z. 218
Mantzouratos, N., *see* Canellidis, V. 424
Marquez, A.C., *see* Iung, B. 473

Martin, P., *see* Etienne, A. 663
Meyer zu Eissen, S. and B. Stein, Realization of Web-based simulation services 261
Ming, X., *see* Ni, Q. 640
Moore, W.J. and A.G. Starr, An intelligent maintenance system for continuous cost-based prioritisation of maintenance activities 595
Mora, H., *see* Jimeno, A. 103
Mora, J., *see* Jimeno, A. 103

Newman, S.T., *see* Xu, X.W. 141
Ng, F.S.F., *see* Lau, T.W. 82
Ni, J., *see* Lee, J. 476
Ni, Q., W.F. Lu, P.K.D.V. Yarlagadda and X. Ming, A collaborative engine for enterprise application integration 640
Nielsen, M.K., *see* Hvam, L. 607
Nilsson, P. and B. Fagerström, Managing stakeholder requirements in a product modelling system 167
Norrie, M.C., *see* Ignat, C.-L. 758
Noyes, D., *see* Pérès, F. 490

Palluat, N., D. Racoceanu and N. Zerhouni, A neuro-fuzzy monitoring system. Application to flexible production systems 528
Palmer, C., *see* Jayaram, U. 283
Pape, S., *see* Hvam, L. 607
Park, S.-W., *see* Hao, Q. 26
Pérès, F. and D. Noyes, Envisioning e-logistics developments: Making spare parts in situ and on demand. State of the art and guidelines for future developments 490
Pierra, G., *see* Bellatreche, L. 711
Price, C.J., N.A. Snooke and S.D. Lewis, A layered approach to automated electrical safety analysis in automotive environments 451
Prunet, F., *see* Chapurlat, V. 153

Qiu, H., *see* Lee, J. 476
Qureshi, K., *see* Kim, W. 787

Racoceanu, D., *see* Palluat, N. 528
Rebeuf, X., *see* Bangemann, T. 539
Reboul, D., *see* Bangemann, T. 539
Ren, Z., C.J. Anumba, T.M. Hassan, G. Augenbroe and M. Mangini, Collaborative project planning: A case study of seismic risk analysis using an e-engineering hub 218
Restivo, F., *see* Leitão, P. 121
Robin, V., *see* Girard, P. 817
Rose, B., *see* Yesilbas, L.G. 690
Ryan, J. and C. Heavey, Process modeling for simulation 437

Sánchez, J.L., *see* Jimeno, A. 103
Sanz-Bobi, M.A., *see* Garcia, M.C. 552
Schilli, B. and F. Dai, Collaborative life cycle management between suppliers and OEM 725
Schulze, A., *see* Bangemann, T. 539
Shaikh, I., *see* Jayaram, U. 283
Shen, W., *see* Goncalves, R. 677
Shen, W., *see* Hao, Q. 26
Shen, W., *see* Wu, S. 732
Shepperd, M., *see* Song, Q. 622
Siadat, A., *see* Etienne, A. 663
Simeu-Abazi, Z. and Z. Bouredji, Monitoring and predictive maintenance: Modeling and analyse of fault latency 504
Snooke, N.A., *see* Price, C.J. 451
Sofianopoulou, S., *see* Canellidis, V. 424
Song, M.-C., *see* Chu, C.-H. 11
Song, Q. and M. Shepperd, Mining web browsing patterns for E-commerce 622
Starr, A.G., *see* Moore, W.J. 595

Steiger-Garcao, A., *see* Jardim-Goncalves, R. 679
Stein, B., *see* Meyer zu Eissen, S. 261
Su, C.-T., L.-S. Chen and T.-L. Chiang, A neural network based information granulation approach to shorten the cellular phone test process 412
Su, D., *see* Hou, J. 797
Szymanski, J., *see* Bangemann, T. 539

Tanaka, F. and T. Kishinami, STEP-based quality diagnosis of shape data of product models for collaborative e-engineering 245
Thimm, G., S.G. Lee and Y.-S. Ma, Towards unified modelling of product life-cycles 331
Thomesse, J.-P., *see* Bangemann, T. 539
Thramboulidis, K., *see* Tranoris, C. 462
Thron, M., *see* Bangemann, T. 539
Tranoris, C. and K. Thramboulidis, A tool supported engineering process for developing control applications 462

van Leeuwen, J.P. and S. Fridqvist, An information model for collaboration in the construction Industry 809

Wang, B., *see* Kao, H.-P. 379
Wang, D.-X., D.-M. Guo, Z.-Y. Jia and H.-W. Leng, Slicing of CAD models in color STL format 3
Wang, L., *see* Liu, Z. 131
Wang, Q.-H. and J.-R. Li, Interactive visualization of complex dynamic virtual environments for industrial assemblies 366
Wilhelm, R.G., *see* Zhao, X. 319
Wong, C.W.Y., *see* Lai, K.-h. 93
Wong, K.H.M., P.C.L. Hui and A.C.K. Chan, Cryptography and authentication on RFID passive tags for apparel products 342
Wu, C.-W., *see* Chu, C.-H. 272
Wu, S., H. Ghenniwa, Y. Zhang and W. Shen, Personal assistant agents for collaborative design environments 732
Wu, T., J. Blackhurst and V. Chidambaram, A model for inbound supply risk analysis 350
Wu, W., *see* Zhu, M. 752

Xu, X.W. and S.T. Newman, Making CNC machine tools more open, interoperable and intelligent—a review of the technologies 141

Yang, B.-S., *see* Han, T. 569
Yang, J., *see* Kim, Y.-S. 653
Yarlagadda, P.K.D.V., *see* Ni, Q. 640
Yesilbas, L.G., B. Rose and M. Lombard, Specification of a repository to support collaborative knowledge exchanges in IPPOP project 690
Yongtao, H. and M. Jingying, A knowledge-based auto-reasoning methodology in hole-machining process planning 297
Younas, M., *see* Chao, K.-M. 778

Zerhouni, N., *see* Bangemann, T. 539
Zerhouni, N., *see* Palluat, N. 528
Zha, X.F. and H. Du, Knowledge-intensive collaborative design modeling and support. Part I: Review, distributed models and framework 39
Zha, X.F. and H. Du, Knowledge-intensive collaborative design modeling and support. Part II: System implementation and application 56
Zhang, S., *see* Dai, K. 827
Zhang, Y., *see* Wu, S. 732
Zhang, Z., *see* Hao, Q. 26
Zhao, X., T.M. Kethara Pasupathy and R.G. Wilhelm, Modeling and representation of geometric tolerances information in integrated measurement processes 319
Zhao, Y., *see* Lau, H.Y.K. 398
Zhu, M., J. Bian and W. Wu, A novel collaborative scheme of simulation and model checking for system properties verification 752

Available online at www.sciencedirect.com
ScienceDirect
Computers in Industry 57 (2006) 843–845
COMPUTERS IN INDUSTRY
www.elsevier.com/locate/compind

Subject index to volume 57

ABB 725
Activity-Based Costing 379
Agent 740
Alarms 595
Analytical hierarchy process (AHP) 350, 797
Apparel products 342
Application integration 539
Artificial intelligence 552, 569
ASME Y14.5M-1994 319
Assembly visualization 366
Automated cargo handling system (ACHS) 398
Automotive 451

Benchmarking 581
Bipartite maximum matching 398
Build performance 424
Business models 797
Business processes 331, 768

CAD 272, 653, 740
CAPP 663
Case-based reasoning (CBR) system 631
Case-based reasoning 305
CDFG 752
Cellular phone inspection process 412
CMMS 528
CNC 141
Collaboration 26, 167, 725
Collaborative design environments 732
Collaborative design 39, 56, 690, 809, 817
Collaborative e-engineering 245
Collaborative engine 640
Collaborative problem solving 178
Collaborative product commerce 787
Collaborative project planning 218
Collaborative verification 752
Collaborative visualization 272
Collaborative work 679
Color 3
Computer aided design 11
Concept modelling 809
Conceptual synthesis of mechanisms 305
Concurrent engineering 539
Condition monitoring 516, 569, 595
Conflict management 690
Consistency maintenance 758
Control Application development process 462
Cooperative design 778
Counterfeiting 342
Criticality analysis 595
Cross-sectional imaging 131
Cryptography 342
CSCW 740
Customisable collaborative editing 758

Data diagnosis 245
Database integration 711
Design co-ordination 817
Design support system 39, 56
Design-with-modules 39, 56
Detection 504
Diagnosis 451, 528, 552
Dialectic analysis 189
Discrete–event systems 504
Distant system 490
Distributed computing 631
Distributed Control Applications 462
Distributed module modeling and evaluation (DMME) 39, 56
DMIS 319

E-commerce 231, 622
e-Engineering hub 218
Electronic catalogues 711
Electronic Product Code (EPC) 342
E-maintenance service 581
E-maintenance 476, 490
Engineering database 711
Enterprise architecture 204
Enterprise engineering 204
Enterprise information system 189
Enterprise integration 640
Enterprise JavaBeans 797
Enterprise Modeling 153
Ergonomics 283
Evaluation 817
Event framework 398
Event-driven scheduling 379
Expert systems 607

doi:10.1016/S0166-3615(06)00138-2

EXPRESS-X 245

Fabric hand descriptors 82
Fabric specimen prediction 82
Factory automation 121
Fault diagnosis 516
Fault latency 504
Fault Tree 528
Feature selection 412
Fixture design 112
FMEA 451
FMECA 528
Frequent access path recognition 622
Function Block 462
Functional decomposition 167
Fuzzy ART neural network 412
Fuzzy system 82

Genetic algorithm 424
Genetic algorithms 112
Geometric tolerances modeling and representation 319
Global manufacturing 231
Grid Services 778
Groove pattern 11

Health condition 552
High Level Petri nets 379
Holonic manufacturing systems 121
Human–human interaction 740

IEC61499 462
Imbalanced data 412
Immersive virtual reality 653
Inbound supply risk analysis 350
Induction motors 569
Industrial^{IT} 725
Information granulation 412
Information system architecture 189
Information technology adoption 93
Instant collaboration 740
Institutional isomorphism 93
Integrated design and analysis 39, 56
Integrated e-Commerce system 827
Integrated measurement processes 319
Intelligent manufacturing control 121
Intelligent systems 595
Intelligent user assistance 732
Interactive customization 827
Internet-aided design 26
Interoperability 141, 679

Joint scheduling 398

Knowledge management 178
Knowledge modeling 663
Knowledge servers 39, 56

Life cycle management 725
Logistic support 490

Machining features 663
Machining operations 297
Maintenance effectiveness 552
Maintenance engineering 595
Maintenance policies 581
Maintenance 528
e-Maintenance 539, 569, 595
Makespan/cost tradeoff 379
Manufacturing features 297
Manufacturing strategy 178
Mass customization 231
Meta-modeling 204
Microsoft .NET 631
middleware 72
Model checking 752
Model Driven Development 462
Model representation 366
Model-based reasoning 451
Model-driven architecture 679
Modelica 261
Modeling framework 204
Monitoring 528
Multichannel visualization module 653

Negotiation 768
Network-centric design 39, 56
Neural networks 516, 528
Neuro-fuzzy 528
Nonconformance tracking and diagnostic recovery 631
Novelty detection 516

Object version management 809
OEM 725
Ontology-based modeling 711
Operation serialisation 758
Operation transformation 758
Optimization 112
Orientation problem 424

Packing problem 424
Parametric design 11
PC clusters 653
Performance 817
Personal assistant agents 732
PLIB 711
Popularization/mediation 690
Precedence-relations-net 297
Predictive maintenance 476, 504, 552
Process integration 640
Process model 690
Process modeling 437
Process planning 663
Process reengineering 607
Product agent 72

Product assembly 72
Product configuration 607
Product data quality 245
Product design engineering 26
Product development 231, 272
Product information management 72
Product lifecycle management 72
Product life-cycle 331
Product model 331, 690
Product modelling 167, 607
Prognostics 476
Project portfolio 379
Property 153, 752
Prototype implementation 350

Rapid Prototyping 3, 131, 424
Reconfigurable computing 103
Remote maintenance 539
Remote monitoring 476
Requirements management 167
Reuse of previous design concepts 305
Reverse engineering 131
RFID 342
Runtime adaptation 366

Safety analysis 451
SCADA 528
Semiotics 189
Sensory knowledge 82
Sequencing mathematical model 297
Service integration 539
Service Oriented Architecture 679, 768
Service-oriented process model 787
Simulation 437, 581, 752
Slicing 3
SOAP 261
Soft computing 631
Software agents 26
Software integration 283
Spare parts manufacturing 490
Specific hardware architectures 103
Stakeholders 167
Standards for data exchange 679
STEP 141, 245, 319
STEP-NC 141
Stereolithography 424
STL file 131
STL 3
Strategic decision making 178
Strategic planning 581
Supplier selection 797
Supply chain management 93, 231
Synchronous/asynchronous communication 758

Template 218
The Web 272
Three dimensions 827
Timed automata 504
Tire mold 11
Tool path computing 103
TOPSIS 379
Triangulation 131

UEML 153
UML 528
Unified Modelling Language 331
Upper limb assessment 283
User modeling 732

Validation 153
Verification 153
3D viewing 272
Virtual assembly 283
Virtual digitizing 103
Virtual enterprise 204
Virtual environment 283
Virtual manufacturing system 653
Visibility optimization 366
Voxelization 3

Web page clustering 622
Web Services 261, 787, 797
Web usage mining 622
Web user clustering 622
Web-based simulation 261
Web-hosted services 218
Workflow integration 768
Workflow interconnexion 768
Workflow management 218
Workflow systems 768
Workflow 26, 778
World-wide web 39, 56

Available online at www.sciencedirect.com
ScienceDirect
ELSEVIER
Computers in Industry 57 (2006) 846–850
COMPUTERS IN INDUSTRY
www.elsevier.com/locate/compind

Contents of volume 57

Volume 57, Nr. 1, JANUARY 2006

Announcement

1 List of Reviewers – 2005

Papers

3 *D.-X. Wang, D.-M. Guo, Z.-Y. Jia and H.-W. Leng*
Slicing of CAD models in color STL format

11 *C.-H. Chu, M.-C. Song and V.C.S. Luo*
Computer aided parametric design for 3D tire mold production

26 *Q. Hao, W. Shen, Z. Zhang, S.-W. Park and J.-K. Lee*
Agent-based collaborative product design engineering: An industrial case study

39 *X.F. Zha and H. Du*
Knowledge-intensive collaborative design modeling and support. Part I: Review, distributed models and framework

56 *X.F. Zha and H. Du*
Knowledge-intensive collaborative design modeling and support. Part II: System implementation and application

72 *K. Främling, T. Ala-Risku, M. Kärkkäinen and J. Holmström*
Agent-based model for managing composite product information

82 *T.W. Lau, P.C.L. Hui, F.S.F. Ng and K.C.C. Chan*
A new fuzzy approach to improve fashion product development

93 *K.-h. Lai, C.W.Y. Wong and T.C.E. Cheng*
Institutional isomorphism and the adoption of information technology for supply chain management

99 Guide for Authors

Volume 57, Nr. 2, FEBRUARY 2006

Papers

103 *A. Jimeno, J.L. Sánchez, H. Mora, J. Mora and J.M. García-Chamizo*
FPGA-based tool path computation. An application for shoe last machining on CNC lathes

112 *N. Kaya*
Machining fixture locating and clamping position optimization using genetic algorithms

121 *P. Leitão and F. Restivo*
ADACOR: A holonic architecture for agile and adaptive manufacturing control

131 *Z. Liu, L. Wang and B. Lu*
Integrating cross-sectional imaging based reverse engineering with rapid prototyping

141 *X.W. Xu and S.T. Newman*
Making CNC machine tools more open, interoperable and intelligent—a review of the technologies

153 *V. Chapurlat, B. Kamsu-Foguem and F. Prunet*
A formal verification framework and associated tools for Enterprise Modeling: Application to UEML

167 *P. Nilsson and B. Fagerström*
Managing stakeholder requirements in a product modelling system

178 *N. Karacapilidis, E. Adamides and C. Evangelou*
A computerized knowledge management system for the manufacturing strategy process

189 *V. Goepp, F. Kiefer and F. Geiskopf*
Design of information system architectures using a key-problem framework

Volume 57, Nr. 3, APRIL 2006

SPECIAL ISSUE: Advanced Computer Support of Engineering and Service Processes of Virtual Enterprises

Editorial

201 *I. Horváth and J.J. Broek*
Advanced computer support of engineering and service processes of virtual enterprises

Papers

204 *T.-Y. Kim, S. Lee, K. Kim and C.-H. Kim*
A modeling framework for agile and interoperable virtual enterprises

218 *Z. Ren, C.J. Anumba, T.M. Hassan, G. Augenbroe and M. Mangini*
Collaborative project planning: A case study of seismic risk analysis using an e-engineering hub

231 *J.(R.) Jiao and M.G. Helander*
Development of an electronic configure-to-order platform for customized product development

245 *F. Tanaka and T. Kishinami*
STEP-based quality diagnosis of shape data of product models for collaborative e-engineering

261 *S. Meyer zu Eissen and B. Stein*
Realization of Web-based simulation services

272 *C.-H. Chu, C.-Y. Cheng and C.-W. Wu*
Applications of the Web-based collaborative visualization in distributed product development

283 *U. Jayaram, S. Jayaram, I. Shaikh, Y. Kim and C. Palmer*
Introducing quantitative analysis methods into virtual environments for real-time and continuous ergonomic evaluations

Volume 57, Nr. 4, MAY 2006

Papers

297 *H. Yongtao and M. Jingying*
A knowledge-based auto-reasoning methodology in hole-machining process planning

305 *Y.-H. Han and K. Lee*
A case-based framework for reuse of previous design concepts in conceptual synthesis of mechanisms

319 *X. Zhao, T.M. Kethara Pasupathy and R.G. Wilhelm*
Modeling and representation of geometric tolerances information in integrated measurement processes

331 *G. Thimm, S.G. Lee and Y.-S. Ma*
Towards unified modelling of product life-cycles

342 *K.H.M. Wong, P.C.L. Hui and A.C.K. Chan*
Cryptography and authentication on RFID passive tags for apparel products

350 *T. Wu, J. Blackhurst and V. Chidambaram*
A model for inbound supply risk analysis

366 *Q.-H. Wang and J.-R. Li*
Interactive visualization of complex dynamic virtual environments for industrial assemblies

Volume 57, Nr. 5, JUNE 2006

Papers

379 *H.-P. Kao, B. Wang, J. Dong and K.-C. Ku*
An event-driven approach with makespan/cost tradeoff analysis for project portfolio scheduling

398 *H.Y.K. Lau and Y. Zhao*
Joint scheduling of material handling equipment in automated air cargo terminals

412 *C.-T. Su, L.-S. Chen and T.-L. Chiang*
A neural network based information granulation approach to shorten the cellular phone test process

424 *V. Canellidis, V. Dedoussis, N. Mantzouratos and S. Sofianopoulou*
Pre-processing methodology for optimizing stereolithography apparatus build performance

437 *J. Ryan and C. Heavey*
Process modeling for simulation

451 *C.J. Price, N.A. Snooke and S.D. Lewis*
A layered approach to automated electrical safety analysis in automotive environments

462 *C. Tranoris and K. Thramboulidis*
A tool supported engineering process for developing control applications

Volume 57, Nr. 6, AUGUST 2006

SPECIAL ISSUE: E-maintenance

Editorial

473 *B. Iung and A. Crespo Marquez*
Special issue on e-maintenance

Papers

476 *J. Lee, J. Ni, D. Djurdjanovic, H. Qiu and H. Liao*
Intelligent prognostics tools and e-maintenance

490 *F. Pérès and D. Noyes*
Envisioning e-logistics developments: Making spare parts in situ and on demand. State of the art and guidelines for future developments

504 *Z. Simeu-Abazi and Z. Bouredji*
Monitoring and predictive maintenance: Modeling and analyse of fault latency

516 *C. Emmanouilidis, E. Jantunen and J. MacIntyre*
Flexible software for condition monitoring, incorporating novelty detection and diagnostics

528 *N. Palluat, D. Racoceanu and N. Zerhouni*
A neuro-fuzzy monitoring system. Application to flexible production systems

539 *T. Bangemann, X. Rebeuf, D. Reboul, A. Schulze, J. Szymanski, J.-P. Thomesse, M. Thron and N. Zerhouni*
PROTEUS—Creating distributed maintenance systems through an integration platform

552 *M.C. Garcia, M.A. Sanz-Bobi and J. del Pico*
SIMAP: Intelligent System for Predictive Maintenance. Application to the health condition monitoring of a windturbine gearbox

569 *T. Han and B.-S. Yang*
Development of an e-maintenance system integrating advanced techniques

581 *M. Macchi and M. Garetti*
Information requirements for e-maintenance strategic planning: A benchmark study in complex production systems

595 *W.J. Moore and A.G. Starr*
An intelligent maintenance system for continuous cost-based prioritisation of maintenance activities

Volume 57, Nr. 7, SEPTEMBER 2006

Papers

607 *L. Hvam, S. Pape and M.K. Nielsen*
Improving the quotation process with product configuration

622 *Q. Song and M. Shepperd*
Mining web browsing patterns for E-commerce

631 *W. Liu and S.H. Cheraghi*
Design and implementation of a generic nonconformance tracking and recovery (GINTR) system

640 *Q. Ni, W.F. Lu, P.K.D.V. Yarlagadda and X. Ming*
A collaborative engine for enterprise application integration

653 *Y.-S. Kim, J. Yang and S. Han*
A multichannel visualization module for virtual manufacturing

663 *A. Etienne, J.-Y. Dantan, A. Siadat and P. Martin*
An improved approach for automatic process plan generation of complex borings

I Calender Announcement and Call for Papers I
II Call for Papers II

Volume 57, Nr. 8–9, DECEMBER 2006

SPECIAL ISSUE: Collaborative Environments for Concurrent Engineering

Editorial

677 *R. Goncalves and W. Shen*
Editorial

Papers

679 *R. Jardim-Goncalves, A. Grilo and A. Steiger-Garcao*
Challenging the interoperability between computers in industry with MDA and SOA

690 *L.G. Yesilbas, B. Rose and M. Lombard*
Specification of a repository to support collaborative knowledge exchanges in IPPOP project

711 *L. Bellatreche, N.X. Dung, G. Pierra and D. Hondjack*
Contribution of ontology-based data modeling to automatic integration of electronic catalogues within engineering databases

725 *B. Schilli and F. Dai*
Collaborative life cycle management between suppliers and OEM

732 *S. Wu, H. Ghenniwa, Y. Zhang and W. Shen*
Personal assistant agents for collaborative design environments

740 *F. He and S. Han*
A method and tool for human–human interaction and instant collaboration in CSCW-based CAD

752 *M. Zhu, J. Bian and W. Wu*
A novel collaborative scheme of simulation and model checking for system properties verification

758 *C.-L. Ignat and M.C. Norrie*
Customisable collaborative editing supporting the work processes of organisations

768 *K. Baïna, K. Benali and C. Godart*
DISCOBOLE: A service architecture for interconnecting workflow processes

778 *K.-M. Chao, M. Younas and N. Griffiths*
BPEL4WS-based coordination of Grid Services in design

787 *W. Kim, M.J. Chung, K. Qureshi and Y.K. Choi*
WSCPC: An architecture using semantic web services for collaborative product commerce

797 *J. Hou and D. Su*
Integration of Web Services technology with business models within the total product design process for supplier selection

809 *J.P. van Leeuwen and S. Fridqvist*
An information model for collaboration in the construction Industry

817 *P. Girard and V. Robin*
Analysis of collaboration for project design management

827 *K. Dai, Y. Li, J. Han, X. Lu and S. Zhang*
An interactive web system for integrated three-dimensional customization

838 Author index to volume 57
843 Subject index to volume 57
846 Contents of volume 57

I Call for Papers